

TABLE II.

Mark.	Member.	Number of Models.	Average Sectional Area of Model : square inches.	Ultimate load : lbs.	Ultimate strength : lbs. per square inch.	Stress in actual member for design : lbs. per square inch.	Young's Modulus, E : lbs. per square inch.	Type of Failure.
A	Heaviest lower chord with splices, etc., 28-26	1	67	(2,800,000)	(41,800)	16,280 + 1,160 bending	28,450,000	Unbroken at 2,800,000 lbs.
B	Heaviest lower chord without splices, 28-26	3	68	(2,800,000)	(41,200)	do.	28,420,000	do.
C	Half heaviest lower chord, 28-26 .	3	54	2,476,000	45,800	do.	27,750,000	Lateral flexure.
D	Average lower chord with splices, etc., 18-16	1	47	2,470,000	50,250	16,350 + 1,150 bending	—	Direct crushing.
E	Average lower chord without splices, 18-16	3	47	2,440,000	50,190	do.	29,100,000	do.
F	Half average lower chord, 18-16 .	3	52	2,462,000	47,400	do.	28,150,000	Lateral flexure.
G	Heaviest top chord with end details, 5-3	3	43	2,300,000	53,490	15,860 + 1,460 bending	29,860,000	Downward flexure.
H	Heaviest top chord, plain 5-3 . .	3	43	2,300,000	53,490	do.	29,200,000	do.
K	Lighter top chord, plain, 23-21 .	3	53	2,450,000	46,230	11,250 + 1,450 bending	27,770,000	do.
L	Post, plain, 20-21	3	42	1,855,000	44,100	16,230	29,160,000	Buckling.
M	Post, with splices, 20-21	3	42	1,887,000	44,900	16,230	29,640,000	do.
O	Diagonal, 9-6	3	19	1,165,000	61,300	27,900	28,750,000	Tension member
P	Lateral diagonal, 29-27	3	(gross) 10	394,000	39,400	(Erection) 7,220 + 4,750 bending	—	Buckling (carbon steel).
Q	Lateral diagonal, 28-26	3	22	940,000	42,650	12,750 + 3,800 bending.	—	Direct compression.
S	End post, 29-28	3	57	2,600,000	45,090	13,060	28,200,000	do.